Virginia Title V Operating Permit

Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Georgia-Pacific Corporation
Mailing Address:	P.O. Box 340 Brookneal, VA 24528
Facility Name:	Georgia-Pacific Corporation, Brookneal OSB
DEQ Registration Number:	30903
Facility Location:	8 miles North of Brookneal, VA at the intersection of Highway 501 and Route 650, Campbell County Virginia
AIRS Identification No.:	51-031-0163
Permit Number	VA-30903

January 6, 2003
Effective Date

December 17, 2002, and September 2, 2003
Minor Modification Dates

January 5, 2008
Expiration Date

_____

Robert G. Burnley
Director, Department of Environmental Quality

September 2, 2003
Signature Date

This permit modification document includes:
- Table of Contents, 2 pages
- Permit Conditions, 41 pages

Table of Contents

I. Facility Information

Permittee
Georgia-Pacific Corp.
133 Peachtree St. N.E.
Atlanta, GA 30303

Responsible Official
Fransis Wayne Bales
Plant Manager

Facility
Georgia-Pacific Corporation, Brookneal OSB
8 miles North of Brookneal, VA at the intersection of Highway 501 and Route 650
Campbell County

Contact Person
Michael Robertson
Environmental Coordinator
(434) 283-6246

AIRS Identification Number: 51-031-0163

Facility Description: SIC code: 2493 - The facility manufactures a reconstituted wood product known as oriented strandboard (OSB).

II. Emission Units

Equipment to be operated consists of:

A. Significant Emissions Units

Emission Unit ID	Stack ID	Emission Unit Description (Note 1)	Size/Rated Capacity (Note 2)	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
1200	Fugitive	(2) Log Debarkers [Fugi-King,]	100 $tons_{LOGS}$/hr input, each	None	---	---	Note 3
3500	5600	Wellons/dryer system a. (1) Energy system [Wellons combustor] b. (3) dryers [MEC] and (3) cyclones,	a. 240 x 10^6 BTU/hr heat input, and b. 84 $tons_{FLAKES}$/hr, input	Control equipment in series: Combustor [Wellons], SNCR [Nalco NOxOut, 1997], multicyclone, and ESP[Preciptech]	---	VOC, CO, NOx, PM/PM10, Organic HAPs, and Particulate HAPs	Note 3
3752	Standard tank vent (not numbered)	thermal oil storage tank	15, 000 gal.	None	---	---	Note 3

Emission Unit ID	Stack ID	Emission Unit Description (Note 1)	Size/Rated Capacity (Note 2)	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
7000	a. 6800, and 6900, and b. 7890	<u>forming/pressing system</u> a. (1) forming line [Schenck], and b. (1) press [Washington Iron Works]	50,000 $ft^2_{3/8 \text{ inch OSB}}$/hr, output	a. 6800 fabric filter [MAC 120 WMCF 494-435], and 6900 fabric filter [MAC 120 WMCF 361-306], and b. 6-canister Regenerative Thermal Oxidizer/Thermal Catalytic Oxidizer (RTO/TCO) [Smith Engineering]	---	a. PM/PM10 and b. VOC, PM/PM10, Organic HAPs	Note 3
8000	8900	<u>trim system</u> [Globe]	60,000 $ft^2_{3/8 \text{ inch OSB}}$/hr, output	Fabric filter [MAC 120 WMCF 361-306]	---	PM/PM10	Note 3

Emission Unit ID	Stack ID	Emission Unit Description (Note 1)	Size/Rated Capacity (Note 2)	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
9000	a. 9500 b. 9600, and c. 8830, and 8835	<u>finishing system</u> a. (1) tongue & groove machine [Globe], b. (1) sander [Globe], and c. (1) spray booth [Binks]	50,000 $ft^2_{3/8\ inch\ OSB}$/hr, output	a. fabric filter [MAC 120 WMCF 361-306], b. high efficiency cyclone [Fisher-Klosterman XQ030-15], and c. paint arrest filters [Binks]	---	PM/PM10	Note 3
9900	a. 8950 and b. fugitives	<u>General plant</u> a. Dry Fuel transfer [Fisher-Klosterman] b. storage piles	424.4 X 10^6 $ft^2_{3/8\ inch\ OSB}$/yr, output	a. high efficiency cyclone [Fisher-Klosterman XQ030-15], and b. none	---	PM/PM10	Note 3

Notes:

1. All Construction dates are 1995, unless otherwise noted.
2. The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.
3. Permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.
4. Rated capacities which are stated in units of tons per hour are for tons of Agreen wood,@ unless otherwise noted. For the purposes of this permit, green wood is assumed to contain 50% moisture.

B. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
1100	(2) log cut-up saws	5-80-720 B.1	PM/PM10	---
1300	green chip loadout bin	5-80-720 B.1	PM/PM10	---
1400	fuel hog	5-80-720 B.1	PM/PM10	---
2000	(2) flakers	5-80-720 B.1	PM/PM10	---
3600	screen fines loadout bin	5-80-720 B.1	PM/PM10	---
3700	hog fuel silo	5-80-720 B.1	PM/PM10	---
3800	dry fuel silo	5-80-720 B.1	PM/PM10	---
3900	Sanderdust silo	5-80-720 B.1	PM/PM10	---
6000	Dry flake storage & blending system	5-80-720 B.1	PM/PM10	---
0810	1000 gal hydraulic oil storage tank	5-80-720 B.2	VOC	---
0815	6000 gal hydraulic oil storage tank	5-80-720 B.2	VOC	---
0820	2000 gal diesel fuel storage tank	5-80-720 B.2	VOC	---
0825	500 gal gasoline storage tank	5-80-720 B.2	VOC	---
0993	250 gal kerosene storage tank	5-80-720 B.2	VOC	---
3250	6000 gal urea storage tank	5-80-720 B.2	VOC	---
5086	500 gal used oil storage tank	5-80-720 C.3	VOC	500
6610	10,000 gal wax storage tank	5-80-720 B.2	VOC	---

6615	10,000 gal wax storage tank	5-80-720 B.2	VOC	---

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

III. Process Equipment Requirements

A. Emission unit 1200, (2) Log Debarkers

1. **Limitations for the Log Debarkers:**
   Visible emissions from the log debarkers shall not exceed ten percent (10%) opacity. (9 VAC 5-80-110, and Condition 43 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

2. **Monitoring for the Log Debarkers:**
   At least one time per calendar week an observation of the presence of visible emissions from the two Log Debarkers shall be made. The presence of visible emissions shall require the permittee to:

   a. take timely corrective action such that the Log Debarkers resume operation with no visible emissions, or,

   b. conduct a visible emission evaluation (VEE) on the Log Debarkers in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the Log Debarkers are 10 percent opacity or less. If any of the observations exceed the opacity limitation of 10 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the Log Debarkers resume operation within the 10 percent opacity limit.

   c. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for the debarkers, the permittee may reduce the monitoring frequency to once per month. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week.

   The permittee shall maintain a Log Debarker visible emissions observation log to demonstrate compliance. The log shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the Log Debarkers have not been operated for any period during the week it shall be noted in the log book.
   (9 VAC 5-80-110 E, 9 VAC 5-80-110 K)

3. **Recordkeeping for the Log Debarkers:**
The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to, the observation log required by Condition III.A.2 of this permit. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

4. **Reporting for the Log Debarkers:**
The reporting requirements of Condition VI.E of this permit apply.

For the following listed applicable requirement type, there are no unit specific requirements for Emission Unit 1200: **Testing**

B. Emission unit 3500, <u>Wellons/dryer system</u>
The Wellons/dryer system includes, but is not limited to, (1) Energy system (including a backup thermal oil heater), (3) dryers, and (3) cyclones.

1. **Limitations for the Wellons/dryer system**
   a. Carbon monoxide (CO), and volatile organic compounds (VOC) emissions from the flake dryers shall be controlled by the Energy System. The "Energy System" is defined as having two (2) sections. The "heat producing section" is defined as the four (4) fuel cells and the upper combustion zone. The "energy conservation section" is defined as the blend chamber and the downstream ductwork ending at the inlet to the first primary air heater. The Energy System shall be provided with adequate access for inspection. The heat producing section of the Energy System shall be equipped with a device for the continuous measurement and recording of the temperature in the upper combustion zone. For the purposes of this permit, the temperature in the upper combustion zone is defined as the “master” temperature. The energy conservation section of the Energy System shall be equipped with a device for the continuous measurement and recording of the temperature at the inlet to the first primary air heater. For the purposes of this permit, the temperature in the energy conservation section is defined as the “blend” temperature. For the purposes of this condition, Acontinuous@ shall mean that whenever the Energy System is in operation, the monitoring system shall be monitoring except during periods of monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, and the monitoring system shall be capable of completing at least one cycle of operation (ie., measuring and recording) every 15 minutes.
   (9 VAC 5-80-110, and Condition 3 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

   b. Particulate emissions from the Energy System shall be controlled by multicyclones connected in parallel and followed by an Electrostatic Precipitator (ESP). Each multicyclone, and the ESP shall be provided with adequate access for inspection. An

annual inspection of all internal and external components of each multicyclone shall be conducted by the permittee to insure structural integrity. Each multicyclone shall be equipped with a device to continuously measure differential pressure drop across the multicyclone. The ESP shall be equipped with a device for the continuous measurement of primary and secondary current and voltage (by field) across the ESP. For the purposes of this condition, Acontinuously@ or "continuous" shall mean that whenever the Energy System is in operation, the monitoring system shall be monitoring except during periods of monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, and the monitoring system shall be capable of completing at least one cycle of operation (ie., measuring) every 15 minutes.
(9 VAC 5-80-110, and Condition 4 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

c. The controlling temperature shall be maintained at 1,400^{O}F when any dryer is processing flakes. If the blend damper is closed, the controlling temperature is the master temperature, otherwise, the controlling temperature is the blend temperature. The controlling temperature shall be an hourly average, calculated on a 15 minute rolling basis. The exhaust gas in the energy conservation section shall have a minimum one (1) second retention time. The maximum exhaust gas flow in the energy conservation section shall be 389,340 acfm (actual cubic feet per minute) at 1,400^{O} F. The energy conservation section shall be constructed so as to allow for flow rate testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations.
(9 VAC 5-80-110, and Condition 5 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

d. The approved fuels for the Energy System are on-site generated wood, purchased wood, and on-site generated wastes. "On-site generated wood" is defined as wood feed stock, bark, resinated and unresinated saw dusts, sander dust, and other wood wastes capable of being hogged. This definition does not include wood contaminated with paints, plastics, finishing material or chemical treatments other than facility process resins, waxes, and edge sealers. "Purchased wood" is defined as clean wood and wood wastes which do not contain chemical treatments nor have affixed thereto paint and/or finishing materials or paper or plastic laminates or other foreign materials which might emit toxic air pollutants when burned. "On-site generated wastes" are defined as press vent cleanup wastes, paint solids collected by the spray booth, waste resin and wax, oily water, paper products, and hydraulic oil wastes. "Oily water" is defined as oil from the mobile equipment wash water which is collected and separated in the area's oil/water separator. "Paper products" are defined as cardboard and office paper. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110, and Condition 13 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

e. The approved fuels for the backup thermal oil heater are natural gas and propane. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110, and Condition 14 of the NSR permit issued September 17, 1997, as amended April 10, 1998,December 3, 1999, August 28, and December 3, 2002, and 2003.)

f. The Energy System shall consume no more than 225,800 tons per year of wood, 13 tons per year of press vent cleanup wastes, 44 tons per year of paint solids, 31.2 tons per year of waste resin and wax, 1,800 gallons per year of oily water, 3.6 tons per year of paper products, and 35 tons per year of hydraulic oil wastes, each calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, and Condition 16 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

g. Except as specified in this permit, the Energy System is to be operated in compliance with Federal emissions requirements under 40 CFR 60, Subpart Db.
(9 VAC 5-80-110, and Condition 17 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

h. Visible emissions from the Energy System shall not exceed 10 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction..
(9 VAC 5-80-110, 40 CFR 60.43b and Condition 41 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

i. Emissions from the operation of the Wellons/dryer system shall not exceed the limits specified below:

	lb/MMBtu	lbs/hr	tons/yr*	Citations
Particulate Matter	0.07	---	71.3	40 CFR 60.43b
PM-10	0.07	---	71.3	---
Sulfur Dioxide	---	5.33	22.6	---
Nitrogen Oxides (as NO_2)	0.20** (3 hr rolling average)	---	203.7	---
Carbon Monoxide	0.20	---	203.7	---
Volatile Organic Compounds	---	5.89	25.0	---

* Tons/yr calculated monthly as the sum of each consecutive 12 month period.
** The NOx short term emission limit applies at all times except start-up and shutdown.

(9 VAC 5-80-110, and Condition 34 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, and August 28, December 3, 2002, and June 30, 2003.)

2. **Monitoring for the Wellons/dryer system**

a. A continuous emission monitor shall be installed on the Energy System stack to measure and record opacity. The continuous emissions monitoring system shall conform to the design specifications stipulated in 40 CFR 60, Appendix B, Performance Specification 1. The monitoring system shall be installed, maintained, evaluated, calibrated and operated in accordance with 40 CFR 60.13, 40 CFR 60 Subpart Db and 40 CFR 60, Appendix B. During all periods of facility operation, the monitoring system shall be in continuous operation except for system breakdowns, repairs, calibration checks, and zero and span adjustments.

After the initial performance evaluation, the permittee shall conduct opacity monitoring system audits, on a regularly scheduled basis, to demonstrate compliance with the calibration error specification (40 CFR 60, Appendix B, Performance Specification 1).

In no case shall the length of time between audits exceed twelve months. A 30-day notification prior to each scheduled audit shall be submitted to the South Central Regional Office.

The permittee shall submit a report of monitored excess emissions and monitor performance semiannually. The reports are to be submitted, postmarked no later than

30 calendar days after the end of each semiannual period, to the South Central Regional Office.

(9 VAC 5-80-110, , 40 CFR 60.48b, 40 CFR 60.7(c), 40 CFR 60.7(d), and Condition 31 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

b. In accordance with conditions III.B.1.a and III.B.1.c of this permit, the Energy System shall be equipped with a device to continuously measure and record the combustion temperature in the energy conservation section of the Energy System. (9 VAC 5-80-110 E)

c. The Energy System shall be equipped with a device to continuously measure and record the NOx emissions, in units of pounds of NOx per million BTU. For the purposes of this condition, Acontinuously@ shall mean that whenever the Energy System is in operation, the monitoring system shall be monitoring except during periods of monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, and the monitoring system shall be capable of completing at least one cycle of operation (ie., measuring and recording) every 15 minutes.

(1) The continuous emissions monitoring system (CEMS) shall be installed, calibrated, maintained, and operated in accordance with DEQ approved procedures which are equivalent to the requirements of 40 CFR 60.13 and Appendix B. Operation of the CEMS shall commence not later than the effective date of this permit.

(2) Verification of operational status of the CEMS shall, as a minimum, include completion of the manufacturer's written requirements or recommendations for installation, operation and calibration of the device.

(3) A CEMS quality control program which meets the requirements of 40 CFR 60.13 and Appendix F shall be implemented for the NOx continuous monitoring system. This program shall include, but is not limited, to the following activities:

(a) Calibration of CEMS,
(b) Calibration Drift (CD) determination and adjustment of CEMS,
(c) Preventative maintenance of CEMS (including spare parts inventory),
(d) Data recording, and calculations,
(e) Accuracy audit procedures including sampling and analysis methods, and
(f) Program of corrective action for malfunctioning CEMS,

except that Relative Accuracy Test Audits (RATA's) shall be required at a frequency not to exceed once every five years. The CEMS quality control program shall commence not later than 180 days after the effective date of this permit.

d. The permittee shall maintain records of CEMS calibrations and calibration checks.

(9 VAC 5-80-110 E)

3. **Recordkeeping for the Wellons/dryer system**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

a. The daily and yearly consumption by the Energy System of wood in units of tons, press vent cleanup wastes in units of tons, spray booth solids in units of tons, waste resin and wax in units of tons, oily water in units of gallons, paper products in units of tons, and hydraulic oil wastes in units of tons. Each yearly consumption rate shall be calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, 40 CFR 60.49b and Condition 45a of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

b. Records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the Energy System; any malfunction of the air pollution control equipment; and any periods during which a continuous monitoring system or monitoring device is inoperative.
(9 VAC 5-80-110, 40 CFR 60.7(b), and Condition 45e of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

c. The permittee shall maintain records of the daily and yearly consumption by the Energy System's backup thermal oil heater of natural gas in units of cubic feet, and propane in units of gallons. Each yearly consumption rate shall be calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, 40 CFR 60.49b, and Condition 45g of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

d. The origin and value of all emission factors for all pollutants relied upon for purposes of calculating actual emission rates, the equations used in these calculations, and the results of these calculations that demonstrate compliance with the limits specified in condition III.B.1.i.

e. The records required by Condition III.B.2 of this permit.
(9 VAC 5-80-110 E)

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110, and Condition 45 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

4. **Testing for the Wellons/dryer system**

   a. At a frequency not to exceed once every five years, the permittee shall conduct a stack test at stack 5600 to demonstrate compliance with the pound per million BTU emission limit for particulate matter contained in Condition III.B.1.i of this permit. The initial test shall be performed within 180 days after the effective date of this permit. The test shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30. The details of the tests shall be arranged with the South Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Two copies of the test results shall be submitted to the South Central Regional Office within 60 days after test completion and shall conform to the test report format enclosed with this permit.
   (9 VAC 5-80-110 E)

   b. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
   (9 VAC 5-80-110, 40 CFR 60.8(e), and Condition 15 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

5. **Reporting for the Wellons/dryer system**
   The reporting requirements of condition III.B.2.a and condition VI.E of this permit apply.

C. Emission unit 3752, thermal oil storage tank

For the following listed applicable requirement types, there are no unit specific requirements for Emission Unit 3752: **Limitations, Monitoring, Testing**, **or Reporting**

Recordkeeping for the thermal oil storage tank

Except as specified in this permit, the thermal oil storage tank is to be operated in compliance with Federal emissions requirements under 40 CFR 60, Subpart Kb. These requirements include having readily accessible records showing the dimensions, and an analysis showing the capacity, of the thermal oil storage tank.
(9 VAC 5-80-110, 40 CFR 116b, and Condition 18 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

D. Emission unit 7000, forming/pressing system

The forming/pressing system includes, but is not limited to, (1) forming line, (1) press, and low pressure material handling systems 6900 (mat trim waste) and 6800 (former area and press pit wastes).

1. **Limitations for the forming/pressing system**

a. Press

(1) Emissions from the press shall be captured by a Permanent Total Enclosure, and particulate and VOC emissions from the press shall be controlled by a Regenerative Thermal Oxidizer with a Thermal Catalytic Oxidizer option. For the purposes of this permit, the term "RTO" refers to operation of the control device in the non-catalytic mode, the term "TCO" refers to operation of the same control device in the catalytic mode, and the term "RTO/TCO" refers to the control device regardless of mode of operation. The RTO/TCO shall be provided with adequate access for inspection. The RTO/TCO shall be equipped with a device to continuously measure and record the temperature in the combustion chamber. The RTO/TCO shall be equipped with a device to continuously measure the differential pressure drop across the RTO/TCO. Each measurement and recording device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times. For the purposes of this condition, Acontinuously@ shall mean that whenever the RTO/TCO is in operation, the monitoring system shall be monitoring except during periods of monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, and the monitoring system shall be capable of completing at least one cycle of operation (ie., measuring and recording, or measuring only, as applicable) every 15 minutes.
(9 VAC 5-80-110, and Condition 6 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

(2) The minimum combustion chamber temperature for the RTO shall be maintained at 1500 ^{o}F when the press is in operation. The RTO minimum combustion chamber temperature shall be an hourly average, calculated on a 15 minute rolling basis.

The minimum combustion chamber temperature for the TCO shall be maintained at 900 ^{o}F when the press is in operation. The TCO minimum combustion chamber temperature shall be an hourly average, calculated on a 15 minute rolling basis.

The exhaust gas from the press shall have a minimum one (1) second retention time at or above the applicable minimum combustion chamber temperature for the RTO/TCO.

(9 VAC 5-80-110, and Condition 7 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

(3) Visible emissions from the press shall not exceed 10 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction. (9 VAC 5-80-110, and Condition 41 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.).

(4) Emissions from the operation of the press shall not exceed the limits specified below:

Particulate Matter	3.53 lbs/hr	15.0 tons/yr*
PM-10	3.53 lbs/hr	15.0 tons/yr*
Nitrogen Oxides (as NO_2)	4.53 lbs/hr	18.5 tons/yr*
Carbon Monoxide	7.19 lbs/hr	30.5 tons/yr*
Volatile Organic Compounds	2.09 lbs/hr	8.9 tons/yr*

* Tons/yr calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110, and Condition 36 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

b. Low pressure material handling systems 6800 and 6900

(1) Particulate emissions from the low pressure material handling systems 6800 and 6900 shall be controlled by fabric filters. The fabric filters shall be provided with adequate access for inspection. The fabric filter shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter. Each device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times. For the purposes of this condition, Acontinuously@ shall mean that whenever the low pressure material handling system 6800 or 6900 is in operation, the monitoring system shall be

monitoring except during periods of monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, and the monitoring system shall be capable of completing at least one cycle of operation (ie., measuring) every 15 minutes.
(9 VAC 5-80-110, and Condition 8 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

(2) Visible emissions from the low pressure material handling systems's fabric filters 6800 and 6900 shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-80-110, and Condition 42 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

(3) Emissions from the operation of the low pressure material handling systems shall not exceed the limits specified below:

<u>System 6800</u>		
Particulate Matter	0.01 gr/dscf	10.7 tons/yr*
PM-10	0.01 gr/dscf	10.7 tons/yr*
<u>System 6900</u>		
Particulate Matter	0.01 gr/dscf	4.9 tons/yr*
PM-10	0.01 gr/dscf	4.9 tons/yr*

* Tons/yr calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110, and Condition 37 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

2. **Monitoring for the forming/pressing system**

a. <u>Press</u>

(1) At least one time per calendar week an observation of the presence of visible emissions from the press shall be made. This observation shall be made on the RTO/TCO stack. For the purposes of this condition, the term Avisible emissions@ shall be read Avisible emissions, excluding water vapor. The presence of visible emissions shall require the permittee to:

(a) take timely corrective action such that the press and its air pollution control system resumes operation with no visible emissions, or,

(b) conduct a visible emission evaluation (VEE) on the RTO/TCO stack in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the press are 10 percent opacity or less. If any of the observations exceed the opacity limitation of 10 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the press resumes operation within the 10 percent opacity limit.

(c) If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for the RTO/TCO stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a press observation log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the press has not been operated for any period during the week it shall be noted in the log book.
(9 VAC 5-80-110 E, 9 VAC 5-80-110 K)

(2) In accordance with conditions III.D.1.a(1) and III.D.1.a(2) of this permit, the RTO/TCO shall be equipped with a device to continuously measure and record the temperature in the combustion chamber.
(9 VAC 5-80-110 E)

b. Low pressure material handling systems 6800 and 6900

At least one time per calendar week an observation of the presence of visible emissions from the low pressure material handling systems 6800 and 6900 stacks shall be made. The presence of visible emissions shall require the permittee to:

(1) take timely corrective action such that the low pressure material handling system stack with visible emissions resumes operation with no visible emissions, or,

(2) conduct a visible emission evaluation (VEE) on the low pressure material handling system stack in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the low pressure material handling system stack are 5 percent opacity or less. If any of the observations exceed the opacity limitation of 5 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the low pressure material handling systems resume operation within the 5 percent opacity limit.

(3) If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a low pressure material handling system stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a low pressure material handling systems 6800 and 6900 observation log for each stack to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If neither of the low pressure material handling systems 6800 and 6900 has not been operated for any period during the week it shall be noted in the log book.
(9 VAC 5-80-110 E, 9 VAC 5-80-110 K)

3. **Recordkeeping for the forming/pressing system**
The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

a. records of the output of the RTO/TCO combustion chamber temperature measuring device,

b. the observation logs required by Condition III.D.2 of this permit, and

c. the origin and value of all emission factors for all pollutants relied upon for purposes of calculating actual emission rates, the equations used in these calculations, and the results of these calculations that demonstrate compliance with the limits specified in condition III.D.1.a(4) and III.D.1.b(3).

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110, and Conditions 45f of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

4. **Testing for the forming/pressing system**

a. Periodic activity tests shall be conducted on the TCO catalyst to determine the on-going activity level in terms of percent destruction of VOC. The periodic activity test requirement shall remain in effect so long as the oxidizer is operated as a catalytic unit. Unless otherwise approved in writing by the DEQ, the interval for these periodic activity tests shall not exceed 12 months of TCO operation, calculated from the month following the most recent valid periodic activity test. Two (2) copies of the

test results shall be submitted to the South Central Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-80-110, and Condition 24 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

b. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-80-110, and Condition 15 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

5. **Reporting for the forming/pressing system**

a. The permittee shall furnish written notification to the South Central Regional Office of the actual date of any change in RTO/TCO operating mode (that is, from RTO to TCO or from TCO to RTO) within fifteen (15) days after such date.
(9 VAC 5-80-110, and Condition 44k of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

b. The reporting requirements of Condition VI.E. of this permit apply.

E. Emission unit 8000, <u>trim system</u>

The trim system includes, but is not limited to, the low pressure material handling system 8900 (trim waste)

1. **Limitations for the trim system**

a. Particulate emissions from the low pressure material handling system 8900 shall be controlled by a fabric filter. The fabric filter shall be provided with adequate access for inspection. The fabric filter shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times. For the purposes of this condition, Acontinuously@ shall mean that whenever the low pressure material handling system 8900 is in operation, the monitoring system shall be monitoring except during periods of monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, and the monitoring system shall be capable of completing at least one cycle of operation (ie., measuring) every 15 minutes.
(9 VAC 5-80-110, Condition 8 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

b. Visible emissions from the low pressure material handling system's fabric filters 8900 shall not exceed 5 percent opacity as determined by EPA Method 9 (reference

40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-80-110, and Condition 42 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

c. Emissions from the operation of the to the low pressure material handling system 8900 shall not exceed the limits specified below:

Particulate Matter	0.01 gr/dscf	8.2 tons/yr*
PM-10	0.01 gr/dscf	8.2 tons/yr*

* Tons/yr calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110, and Condition 37 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

2. **Monitoring for the trim system**
At least one time per calendar week an observation of the presence of visible emissions from the low pressure material handling system 8900 stack shall be made. The presence of visible emissions shall require the permittee to:

a. take timely corrective action such that the low pressure material handling system 8900 resumes operation with no visible emissions, or,

b. conduct a visible emission evaluation (VEE) on the low pressure material handling system 8900 stack in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the low pressure material handling system 8900 are 5 percent opacity or less. If any of the observations exceed the opacity limitation of 5 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the low pressure material handling system 8900 resumes operation within the 5 percent opacity limit.

c. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for the low pressure material handling system 8900 stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a low pressure material handling system 8900 stack observation log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any

necessary corrective action, and the name of the observer. If the low pressure material handling system 8900 has not been operated for any period during the week it shall be noted in the log book.
(9 VAC 5-80-110 E, 9 VAC 5-80-110 K)

3. **Recordkeeping for the trim system**
The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

a. the origin and value of all emission factors for all pollutants relied upon for purposes of calculating actual emission rates, the equations used in these calculations, and the results of these calculations that demonstrate compliance with the limits specified in condition III.E.1.c, and

b. the observation log required by Condition III.E.2 of this permit.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

4. **Testing for the trim system**
The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-80-110, and Condition 15 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

5. **Reporting for the trim system**
The reporting requirements of Condition VI.E. of this permit apply for Emission Unit 8000, trim system.

F. Emission unit 9000, <u>finishing system</u>
The finishing system includes, but is not limited to, (1) tongue & groove machine, (1) sander, low pressure material handling system 9500 (sander dust collection), high pressure material handling system 9600 (sander dust transportation), and a spray booth.

1. **Limitations for the finishing system**
   a. <u>Material handling systems 9500 and 9600</u>
      (1) Particulate emissions from the low pressure material handling system 9500 shall be controlled by a fabric filter. The fabric filter shall be provided with adequate access for inspection. The fabric filter shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter. The device shall be installed in an accessible location and shall be maintained by the

permittee such that it is in proper working order at all times. For the purposes of this condition, Acontinuously@ shall mean that whenever the low pressure material handling system 9500 is in operation, the monitoring system shall be monitoring except during periods of monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, and the monitoring system shall be capable of completing at least one cycle of operation (ie., measuring) every 15 minutes.
(9 VAC 5-80-110, and Condition 8 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

(2) Particulate emissions from the high pressure material handling system 9600 shall be controlled by a cyclone with a minimum design efficiency of 99.9 percent. The cyclones shall be provided with adequate access for inspection. An annual internal inspection shall be conducted on the cyclone by the permittee to insure structural integrity.
(9 VAC 5-80-110, and Condition 9 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

(3) Visible emissions from the number 9500 low pressure material handling system's fabric filter, and from the number 9600 high pressure material handling system's cyclone shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-80-110, and Condition 42 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

(4) Emissions from the operation of the material handling systems 9500 and 9600 shall not exceed the limits specified below:

<u>System 9500</u>

Particulate Matter	0.01 gr/dscf	8.6 tons/yr*
PM-10	0.01 gr/dscf	8.6 tons/yr*

<u>System 9600</u>

Particulate Matter	0.01 gr/dscf	1.3 tons/yr*
PM-10	0.01 gr/dscf	1.3 tons/yr*

* Tons/yr calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110, and Conditions 37, and 38 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

b. Spray booth

(1) Particulate emissions from the spray booth shall be controlled by a water curtain, filter collectors, or DEQ approved equivalent. The control device shall be provided with adequate access for inspection.
(9 VAC 5-80-110, and Condition 10 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

(2) Emissions from the operation of the spray booth shall not exceed the limits specified below:

Particulate Matter	0.2 lb/hr	0.9 tons/yr*
PM-10	0.2 lb/hr	0.9 tons/yr*

* Tons/yr calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110, Condition 39 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

2. **Monitoring for the finishing system**

a. At least one time per calendar week an observation of the presence of visible emissions from the material handling systems 9500 and 9600 stacks shall be made. The presence of visible emissions shall require the permittee to:

(1) take timely corrective action such that the material handling system stack with visible emissions resumes operation with no visible emissions, or,

(2) conduct a visible emission evaluation (VEE) on the material handling system stack with visible emissions in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the material handling system stack are 5 percent opacity or less. If any of the observations exceed the opacity limitation of 5 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the material handling systems resume operation within the 5 percent opacity limit.

(3) If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly

visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a material handling systems 9500 and 9600 observation log for each stack to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If neither of the material handling systems 9500 or 9600 has not been operated for any period during the week it shall be noted in the log book.
(9 VAC 5-80-110 E, 9 VAC 5-80-110 K)

b. At least one time per calendar week an observation of the presence of visible emissions from the spray booth stacks shall be made. The presence of visible emissions shall require the permittee to:

(1) take timely corrective action such that the spray booth resumes operation with no visible emissions, or,

(2) conduct a visible emission evaluation (VEE) on the spray booth stack with visible emissions in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the material handling system stack are 5 percent opacity or less. If any of the observations exceed the opacity limitation of 5 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the material handling systems resume operation within the 5 percent opacity limit.

(3) If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a spray booth observation log for each stack to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If neither of the material handling systems 9500 or 9600 has not been operated for any period during the week it shall be noted in the log book.
(9 VAC 5-80-110 E, 9 VAC 5-80-110 K)

3. **Recordkeeping for the finishing system**
The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

a. the origin and value of all emission factors for all pollutants relied upon for purposes of calculating actual emission rates, the equations used in these calculations, and the results of these calculations that demonstrate compliance with the limits specified in condition III.F.1.a(4) and III.F.1.b(2), and

b. the observation logs by Condition III.F.2 of this permit.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

4. **Testing for the finishing system**
The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-80-110, and Condition 15 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

5. **Reporting for the finishing system**
The reporting requirements of Condition VI.E. of this permit apply for Emission Unit 9000, finishing system.

G. Emission unit 9900, general plant
The general plant includes, but is not limited to, material handling system 8950 (dry fuel cyclone), the facility roads, and open storage of wood materials.

1. **Limitations for the general plant**
a. Particulate emissions from the high pressure material handling system 8950 shall be controlled by a cyclone with a minimum design efficiency of 99.9 percent. The cyclone shall be provided with adequate access for inspection. An annual internal inspection shall be conducted on the cyclone by the permittee to insure structural integrity.
(9 VAC 5-80-110, and Condition 9 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

b. Reasonable precautions to prevent particulate matter from becoming airborne as a result of vehicular traffic shall be taken.
(9 VAC 5-80-110, and Condition 11 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

c. Fugitive particulate emissions from open storage of wood materials shall be controlled by wet suppression when control is necessary to insure compliance with condition III.G.1.e.
(9 VAC 5-80-110, and Condition 12 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

d. The annual throughput of powdered resin shall not exceed 11,459 tons per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, and Condition 20 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

e. Visible emissions from fugitive emission points shall not exceed ten percent (10%) opacity.
(9 VAC 5-80-110, and Condition 43 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

f. The annual production of finished Oriented Strandboard shall not exceed 424.4×10^6 square feet per year, calculated monthly as the sum of each consecutive 12 month period. The square footage is based on a panel thickness of 3/8 inches.
(9 VAC 5-80-110, and Condition 21 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

g. Visible emissions from the number 8950 high pressure material handling system's cyclone shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-80-110, and Condition 42 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

h. Emissions from the operation of the material handling system 8950 process shall not exceed the limits specified below:

Particulate Matter	0.01 gr/dscf	1.8 tons/yr*
PM-10	0.01 gr/dscf	1.8 tons/yr*

* Tons/yr calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110, and Condition 38 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

2. **Monitoring for the general plant**

a. At least one time per calendar week an observation of the presence of visible emissions from the material handling system 8950 stack shall be made. The presence of visible emissions shall require the permittee to:

(1) take timely corrective action such that the material handling system stack resumes operation with no visible emissions, or,

(2) conduct a visible emission evaluation (VEE) on the material handling system stack in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the material handling system stack are 5 percent opacity or less. If any of the observations exceed the opacity limitation of 5 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the material handling system resumes operation within the 5 percent opacity limit.

(3) If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for the material handling system 8950 stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a material handling system 8950 observation log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the material handling system 8950 has not been operated for any period during the week it shall be noted in the log book.
(9 VAC 5-80-110 E, 9 VAC 5-80-110 K)

3. **Recordkeeping for the general plant**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

a. the origin and value of all emission factors for all pollutants relied upon for purposes of calculating actual emission rates, the equations used in these calculations, and the results of these calculations that demonstrate compliance with the limits specified in condition III.G.1.h.

b. the yearly production of finished Oriented Strandboard, in units of square feet per year, calculated monthly as the sum of each consecutive 12 month period. The square footage shall be based on a panel thickness of 3/8 inches,
(Condition 45d of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

c. the yearly throughput of powdered resin, in units of tons per year, calculated monthly as the sum of each consecutive 12 month period, and
(Condition 45c of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

d. the observation log required by Condition III.G.2 of this permit

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110, 9 VAC 5-50-50)

4. **Testing for the general plant**
The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-80-110, and Condition 15 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

5. **Reporting for the general plant**
The reporting requirements of Condition VI.E. of this permit apply for Emission Unit 9900, general plant.

IV. Facility Wide Conditions

Limitations
Unless otherwise specified in this permit, for a new emission unit at the facility, visible emissions shall not exceed 20 percent opacity, except during one six-minute period in any

one hour in which visible emissions shall not exceed 30 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-50-80 and 9VAC 5-80-110)

V. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR 60 Subpart E	Standards of Performance for Incinerators	This facility does not have a charging rate greater than the 50 tons/day applicability threshold
40 CFR 60 Subpart Ea	Standards of Performance for Municipal Waste Combustors for which construction is commenced after 12/20/89 and before 9/20/94	This facility does not have a capacity greater than the 250 tons of municipal solid waste/day applicability threshold
40 CFR 61 Subpart V	National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Per the definitions in the subpart, this subpart applies to only sources in operations benzene and vinyl chloride service.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

VI. General Conditions

A. Maintenance Schedule

In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment or air pollution control equipment, the permittee shall:

1. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

2. Maintain an inventory of spare parts that are needed to minimize durations of air pollution control equipment breakdowns.

(9 VAC 5-80-110, and Condition 49 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

B. Operating Procedures

The permittee shall have available written operating procedures for the air pollution control and monitoring equipment. Operators shall be trained in the proper operation of all such equipment and shall be familiar with the written operating procedures. These procedures shall be based on the manufacturer's recommendations, at a minimum. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at a minimum. The permittee shall maintain records of training provided including names of trainees, date of training and nature of training. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
(9 VAC 5-80-110, and Condition 50 of the NSR permit issued September 17, 1997, as amended April 10, 1998, December 3, 1999, August 28, and December 3, 2002, and June 30, 2003.)

C. Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

D. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless a timely and complete renewal application consistent, with 9 VAC 5-80-80, has been submitted, to the Department, by the owner, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C, and F; 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

E. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F and 40 CFR 60.7(f))

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. The time periods to be addressed are **January 1 through June 30** and **July 1 through December 31**. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

a. The time period included in the report.

b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

(1) Exceedance of emissions limitations or operational restrictions;

(2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

F. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to DEQ and EPA no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The time period to be addressed is **January 1 through December 31**. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification.

2. A description of the means for assessing or monitoring the compliance of the source with its emissions limitations, standards, and work practices.

3. The identification of each term or condition of the permit that is the basis of the certification.

4. The status of compliance with the terms and conditions of this permit for the certification period.

5. Consistent with subsection 9 VAC 5-80-110 E, identification of the method or methods used for determining the compliance status of the source with each term and condition at the time of certification and over the certification period, and whether such methods or other means provide continuous or intermittent data.

6. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

7. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

G. Permit Deviation Reporting

The permittee shall report by the next business day any deviations from permit requirements or any excess emissions, including those attributable to upset conditions as defined in this permit, the probable cause of such deviations, and any corrective actions or preventive measures taken.
(9 VAC 5-80-110 F.2)

H. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours, notify the South Central Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within two weeks provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the South Central Regional Office.

1. The emission units that have continuous monitors subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not subject to the two week written notification.

2. The emission units subject to the reporting and the procedure requirements of 9 VAC 5-40-50 C and the procedures of 9 VAC 5-50-50 C are listed below:

   - Wellons/dryer system continuous opacity monitor

3. Each owner required to install a continuous monitoring system subject to 9 VAC 5-40-41 or 9 VAC 5-50-410 shall submit a written report of excess emissions (as defined in the applicable emission standard) to the board for every calendar semiannual period. All semiannual reports shall be postmarked by the 30th day following the end of each calendar semiannual period and shall include the following information:

   a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h) or 9 VAC 5-40-41 B 6, any conversion factors used, and the date and time of commencement and completion of each period of excess emissions;

   b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the source. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;

   c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and

   d. When no excess emissions have occurred or the continuous monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

4. All emission units not subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C must make written reports within two weeks of the malfunction occurrence.

(9 VAC 5-20-180 C, 9 VAC 5-50-50, and 40 CFR 60.7)

I. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit. (9 VAC 5-80-110 G.1)

J. Duty to Comply

The permittee shall comply with all terms and conditions of this permit, including those terms and conditions set forth in a tabular format. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and

is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

K. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

L. Permit Action for Cause

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause as specified in 9 VAC 5-80-110 L, 9 VAC 5-80-240 and 9 VAC 5-80-260. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
(9 VAC 5-80-110 G.4)

2. Such changes that may require a permit modification and/or revisions include, but are not limited to, the following:

   a. Erection, fabrication, installation, addition, or modification of an emissions unit (which is the source, or part of it, which emits or has the potential to emit any regulated air pollutant), or of a source, where there is, or there is potential of, a resulting emissions increase;

   b. Reconstruction or replacement of any emissions unit or components thereof such that its capital cost exceeds 50% of the cost of a whole new unit;

   c. Any change at a source which causes emission of a pollutant not previously emitted, an increase in emissions, production, throughput, hours of operation, or fuel use greater than those allowed by the permit, or by 9 VAC 5-80-11, unless such an increase is authorized by an emissions cap; or any change at a source which causes an increase in emissions resulting from a reduction in control efficiency, unless such an increase is authorized by an emissions cap;

   d. Any reduction of the height of a stack or of a point of emissions, or the addition of any obstruction which hinders the vertical motion of exhaust;

   e. Any change at the source which affects its compliance with conditions in this permit, including conditions relating to monitoring, recordkeeping, and reporting;

f. Addition of an emissions unit which qualifies as insignificant by emissions rate (9 VAC 5-80-720 B) or by size or production rate (9 VAC 5-80-720 C);

g. Any change in insignificant activities, as defined by 9 VAC 5-80-90 D.1.a(1) and 9 VAC 5-80-720 B and 9 VAC 5-80-720 C.

(9 VAC 5-80-110 G, 9 VAC 5-80-110 J, 9 VAC 5-80-240, and 9 VAC 5-80-260)

M. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. (9 VAC 5-80-110 G.5)

N. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality. (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

O. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-305 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-355. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

P. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

Q. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20)

R. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

S. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

T. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

U. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the

Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

V. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of malfunction, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emissions limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2. b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirements under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.
(9 VAC 5-80-250)

W. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

X. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

Y. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)